

Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

University of California, Berkeley
Facility #A0059

Facility Address:

University of California Campus
Berkeley, CA 94720

Mailing Address:

2000 Carleton Street
Berkeley

Responsible Official

Robert M. Berdahl
Chancellor
(510) 987-9765

Facility Contact

Karl Hans
Office of Environmental, Health and Safety
(510) 642-3073

Type of Facility:

University

BAAQMD Permit Division Contact:

Primary SIC:

8221

Eric Chan

Product:

Education/Research

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Ellen Garvey _____
Ellen Garvey, Executive Officer/Air Pollution Control Officer

November 18, 1999 _____
Date

TABLE OF CONTENTS

I. STANDARD CONDITIONS	3
II. EQUIPMENT LIST	7
A. PERMITTED SOURCE LIST	7
III. GENERALLY APPLICABLE EMISSION REQUIREMENTS	8
IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS	10
V. SCHEDULE OF COMPLIANCE	17
VI. PERMIT CONDITIONS	17
A. SOURCE SPECIFIC PERMIT CONDITIONS	17
B. FACILITY-WIDE PERMIT CONDITIONS	21
VII. APPLICABLE EMISSION LIMITS & COMPLIANCE MONITORING REQUIREMENTS	22
VIII. TEST METHODS	27
IX. GLOSSARY	31
X. APPENDIX A - APPLICABLE STATE IMPLEMENTATION PLAN	35

I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

- BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 10/7/98);
SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 8/27/99);
BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 10/7/98);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 6/23/95);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 10/7/98);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 10/19/84); and
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 10/7/98).
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99).

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on December 18, 1998 and expires on December 18, 2003. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than June 18, 2003 and no earlier than December 18, 2002. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after December 18, 2003.** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)

I. Standard Conditions (continued)

5. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, nor any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of entry. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

I. Standard Conditions (continued)

F. Monitoring Reports

All required monitoring reports must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. Monitoring reports shall be prepared for the following periods: December 19th through May 18th and May 19th through December 18th, and are due on the 18th day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be December 19th to December 18th of the following year. The certification shall be submitted by January 18th of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

I. Standard Conditions (continued)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit caused by conditions beyond the permit holder's reasonable control by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. Any variance granted by the Hearing Board from any term or condition of this permit which lasts longer than 90 days will be subject to EPA approval. (MOP Volume II, Part 3, §4.8)
3. Notwithstanding the foregoing, the granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

1. In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

II. EQUIPMENT LIST

A. Permitted Source List

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits.

Table II-A

S-#	Description	Make or Type	Model	Capacity
S-2	Boiler #2 (natural gas, diesel oil)	Union Iron Works	FGR and Low NOx	137 MMBTU/HR
S-3	Boiler #3 (natural gas, diesel oil)	Erie City	FGR and Low NOx	135 MMBTU/HR
S-4	Boiler #4 (natural gas, diesel oil)	Erie City	FGR and Low NOx	135 MMBTU/HR
S-47	Lithographic Printing Press	Miller	TP95	5 color
S-48	Lithographic Printing Press	Miller	TP95	5 color
S-50	Lithographic Printing Press	Miller	TP95	5 color
S-51	Lithographic Printing Press	Heidelberg	102	6 color
S-59	Lithographic Printing Press	Heidelberg	MO	2 color
S-61	Envelope Printing Press	Halm	Superjet	
S-100	Miscellaneous Painting Operations: MCB Barker Koshland ASU Dept of Physics Psychology Dept College of Chemistry Lawrence Hall Mechanical Engineering	varies	varies	varies

III. GENERALLY APPLICABLE EMISSION REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements would not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s):
The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP:
The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is included in Appendix A of this permit if the SIP requirement is different from the current BAAQMD requirement.

NOTE:

There are differences between current BAAQMD rules and versions of the rules in the SIP. For specific information, contact the District's Rule Development Section of the Enforcement Division. All sources must comply with both versions of a rule until the U.S. EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table III

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (10/7/98)	N
SIP Regulation 1	General Provisions and Definitions (8/27/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N

III. Generally Applicable Emission Requirements (continued)

Table III

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (11/2/94)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (12/20/95)	N
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	Y

¹ There are differences between the current BAAQMD rule and the version of the rule in the SIP. For specific information, contact the District's Rule Development Section of the Enforcement Division. All sources must comply with both versions of the rule until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s):
 The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP:
 The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is included in Appendix A of this permit if the SIP requirements are different from the current BAAQMD requirements. All other text may be found in the regulations themselves.

Table IV-A
S-2, Steam Generator Boiler
S-3, Steam Generator Boiler
S-4, Steam Generator Boiler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-2, Steam Generator Boiler
S-3, Steam Generator Boiler
S-4, Steam Generator Boiler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 7	Inorganic Gaseous Pollutants - Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (9/16/92)		
9-7-301	Emission Limits - Gaseous Fuels	Y	
9-7-301.1	NOx Emission Limit	Y	
9-7-301.2	CO Emission Limit	Y	
9-7-302	Emission Limits - Non-Gaseous Fuel	Y	
9-7-302.1	NOx Emission Limit	Y	
9-7-302.2	CO Emission Limit	Y	
9-7-303	Emission Limits	Y	
9-7-305	Natural Gas Curtailment - Non-Gaseous Fuel	Y	
9-7-305.1	NOx Emission Limits	Y	
9-7-305.2	CO Emission Limits	Y	
9-7-306	Equipment Testing	Y	
9-7-306.1	NOx Emission Limits	Y	
9-7-306.2	CO Emission Limits	Y	
9-7-306.3	Equipment Testing	Y	
9-7-503	Records	Y	
9-7-503.2	Natural Gas Curtailment Records	Y	
9-7-503.3	Equipment Testing Records	Y	
9-7-503.4	Source Test Records and Record Retention	Y	
9-7-603	Compliance Determinations	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-2, Steam Generator Boiler
S-3, Steam Generator Boiler
S-4, Steam Generator Boiler

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #14330			
Part 1	Constraints on operation of Sources 2, 3, 4 (basis: Cumulative Increase)	Y	
Part 2	Fuel Oil Sulfur Content (basis: BACT)	Y	
Part 3	Sulfur Content Limit During Natural Gas Curtailment (basis: Cumulative Increase)	Y	
Part 4	Recordkeeping (basis: BAAQMD Regulation 2-6-501)	Y	
Part 5	Source Testing (basis: BAAQMD Regulation 2-6-501)	Y	
Part 6	Visible Emissions Monitoring	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-B
S-47, Lithographic Press, S-48, Lithographic Press,
S-50, Lithographic Press, S-51, Lithographic Press,
S-59, Lithographic Press, S-61 Envelope Press

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 20	Organic Compounds - Graphic Arts Printing and Coating Operations (3/3/99)		
8-20-302	Flexographic, Gravure, Letterpress, and Lithographic Requirements	Y	
8-20-304	Alternative Emission Control Plan	Y	
8-20-309	Cleaning Product Requirements	N	1/1/2000
8-20-320	Solvent Evaporative Loss Minimization	Y	
8-20-501	Records	Y	
8-20-602	Determination of Emissions	Y	
BAAQMD Condition #16360			
part 1	Annual emissions limitation (basis: Cumulative Increase)	Y	
part 2	Cleanup solvent VOC limitation (basis: BACT)	Y	
part 3	VOC ink limitation (basis: BACT)	Y	
part 4	VOC fountain solution limitation (basis: BACT)	Y	
part 5	Record requirements (basis: Cumulative increase, BACT)	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-C
S-100, Miscellaneous Painting Operations

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 19	Organic Compounds - Surface Coating of Miscellaneous Metal Parts and Products (12/20/95)		
8-19-110	Exemption - Low Usage Coatings	Y	
8-19-112	Exemption - Touch Up	Y	
8-19-113	Exemption - Specific Operations	Y	
8-19-117	Exemption - Stencil Coating	Y	
8-19-133	Exemption - Spray Application Equipment	Y	
8-19-134	Exemption - Coating Records	Y	
8-19-136	Limited Exemption - Specialty Coatings	Y	
8-19-302	VOC Limits	Y	
8-19-312	Specialty Coating Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-405	Low Usage Coating Petition	Y	
8-19-407	Specialty Coating Petition	Y	
8-19-501	Records	Y	
BAAQMD Regulation 8, Rule 23	Organic Compounds - Coating of Flat Wood Paneling and Wood Flat Stock (12/20/95)		
8-23-301	VOC Limits	Y	
8-23-401	Coating List Requirement	Y	
8-23-501	Records	Y	
BAAQMD Regulation 8, Rule 31	Organic Compounds - Surface Coating of Plastic Parts and Products (12/20/95)		
8-31-110	Limited Exemption , Adhesives	Y	
8-31-111	Limited Exemption, Low Usage Coatings	Y	
8-31-113	Limited Exemption, Aerosol Cans	Y	
8-31-118	Limited Exemption, Automobile Assembly Coatings	Y	
8-31-120	Limited Exemption, Test Panels	Y	
8-31-121	Limited Exemption, Stencil Coatings	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-C
S-100, Miscellaneous Painting Operations

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-31-122	Limited Exemption, Spray Application Equipment	Y	
8-31-123	Limited Exemption, Small User	Y	
8-31-124	Limited Exemption, Coating Records	Y	
8-31-125	Limited Exemption, Printed Circuit Boards	Y	
8-31-126	Limited Exemption, Translucent Coatings	Y	
8-31-302	VOC Limit	Y	
8-31-306	Flexible Coatings	Y	
8-31-307	Prohibition of Specification	Y	
8-31-308	Compliance Statement Requirements	N	
8-31-309	VOC Limits	Y	
8-31-310	Equipment Requirements	Y	
8-31-320	Solvent Minimization Requirements	Y	
8-31-401	Coating Petition	Y	
8-31-403	Low Usage Coating Petition	Y	
8-31-501	Records	Y	
BAAQMD Regulation 8, Rule 32	Organic Compounds-Wood Products Coating (12/20/95)		
8-32-111	Limited Exemption, Small Coating Operations	Y	
8-32-112	Limited Exemption, Specific Operations	Y	
8-32-113	Limited Exemption, Refinishing, Replacement and Custom Replica Furniture Operations	Y	
8-32-114	Limited Exemption, Stencil Coatings	Y	
8-32-115	Limited Exemption, Specific Finishes	Y	
8-32-116	Limited Exemption, Musical Instruments	Y	
8-32-117	Limited Exemption, Polyester Resin Application	Y	
8-32-118	Limited Exemption, Patternmaking	Y	
8-32-119	Limited Exemption, Extreme Environmental Coating	Y	
8-32-120	Limited Exemption, Recordkeeping Exemption, Low VOC	Y	
8-32-301	Spray Application Equipment Limitation	Y	
8-32-302	VOC Limits	Y	
8-32-303	VOC Limits - Custom Cabinetry and Architectural Millwork	Y	
8-32-304	VOC Limits - Custom and Contract Furniture Limits	Y	
8-32-305	Prohibition of Sale	N	

IV. Source-Specific Applicable Requirements (continued)

Table IV-C
S-100, Miscellaneous Painting Operations

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-32-306	Compliance Statement	Y	
8-32-307	Alternate Compliance	Y	
8-32-320	Solvent Evaporative Loss Minimization	Y	
8-32-403	Extreme Environmental Petition	N	
8-32-404	Alternative Compliance	Y	
8-32-405	Low VOC Facility Certification	Y	
8-32-501	Records , Approved Emission Control System,	Y	
8-32-502	Records, Burden of Proof	Y	
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)		
8-49-110	Limited Exemption, Non-Paint Aerosol Products	Y	
8-49-301	VOC Limits	Y	
8-49-302	Prohibition of Non-intended Use	Y	
8-49-303	Multi-Component Applications	Y	
8-49-401	Labeling Requirements	Y	
8-49-402	Duplicate Specification Standards	Y	
8-49-501	Records	Y	
BAAQMD Condition # 14090			
part 1	Annual coating use limitation (basis: Cumulative Increase)	Y	
part 2	Cleanup solvent limitation (basis: Cumulative Increase)	Y	
part 3	Record Requirements (basis: Cumulative Increase, BACT)	Y	

V. SCHEDULE OF COMPLIANCE

The permit holder shall continue to comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit.

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

A. Source Specific Permit Conditions

Condition #14330, Modified 10-04-96 and 11-9-99
Sources 2, 3, and 4 at Facility #A0059:

1. The existing boilers at Facility No. A0059, Sources 2, 3, and 4 shall operate* only during periods when the Gas Turbine (S-40) and Duct Burner (S-41) at Facility # B1326 are not operating, except in the following cases:
 - a. during switch-over periods.
 - b. if the steam demand of the campus exceeds the 120,000 lb/hr design rate available from the gas turbine and duct burners, then the existing boilers may fire only to the extent necessary to satisfy campus steam demands, up to a rolling annual average of 95,000 lbm/hr. This limit on the existing boilers will go into effect when the cogeneration plant begins operation and will not apply when the cogeneration plant is non-operative.
 - c. If either Source 40 Gas Turbine; Facility # B1326, or Source 41, Duct burner; Facility #B1326, malfunctions and the cogeneration system can not meet the 120,000 lb/hr steam rate, then the existing boilers may fire only to the extent necessary to satisfy the campus steam demands. The duct burners will not operate when the gas turbine is not operational, except during switch-over periods.

* - "Operation" for the purposes of this condition refers only to firing of fuel in the boiler; hot standby maintained with steam does not constitute operation. (basis: BACT)

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition #14330, Modified 10-04-96 and 11-9-99
Sources 2, 3, and 4 at Facility #A0059:

2. Any fuel oil used as a primary fuel in Source 2, 3 and 4 shall not exceed a maximum sulfur content of 0.12% (by weight). Compliance shall be determined from fuel samples taken and analyzed using the District's Laboratory Procedure Method 10. Such fuel oil use shall not exceed the equivalent of 85 days per year at full-load operation of the S-40, gas turbine, and S-41, duct burner, at Facility B1326. (basis: BACT)
3. During periods of PG&E curtailment of natural gas, the maximum sulfur content of the fuel oil burned shall not exceed 0.25% (by weight), provided that the gas turbine, S40 at Facility #B1326 was being fired on natural gas prior to the curtailment. (basis: BACT)
4. All records associated with the above conditions shall be retained by Purenergy, (Facility # B1326) for at least for at least five years, for review by the District and shall be supplied to the District upon request. The recording format for conditions number 2, and 3 shall be subject to the approval of the APCO. (basis: BAAQMD Regulation 2-6-501)
5. Every 8,000 hours of operation a source test of Boilers 2, 3, and 4 shall be conducted to verify compliance with above NO_x and CO emission limits and Regulation 9 - Rule 7 Limitations. (basis: BAAQMD Regulation 2-6-501)
6. If any boiler, S2, S3, or S4, is fired on fuel oil more than 200 hours in any consecutive twelve-month period, on the first day of oil firing following the accumulation of 200 hours, and on the first day following every 1000 hours of cumulative operation afterwards during a twelve-month period, the permit holder shall conduct a visible emission inspection of the stack gas effluent. This visible emissions inspection shall be conducted during daylight hours while the gas turbine is firing on fuel, but need not be conducted by a trained observer. [basis: Reg 6-301, Reg 2-6-501]

If any visible emissions, excluding condensed water vapor, are detected during an inspection and the emissions are observed continuously or intermittently for more than three minutes, the permit holder shall either take corrective action that eliminates the visible emissions and report the visible emissions as a potential exceedance, or have

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition #14330, Modified 10-04-96 and 11-9-99
Sources 2, 3, and 4 at Facility #A0059:

a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures outlined in the CARB manual, "Visible Emissions Evaluation." The certified smoke reader shall continue to conduct the Method 9 or CARB Visible Emission Evaluation on a daily basis on every subsequent day that oil is fired until the daily reading shows compliance with the applicable limit.

The permit holder shall record and maintain the following records for each day of any fuel oil firing of gas turbine:

calendar day;

total elapsed time of fuel oil firing;

running 12-month total accumulated time of fuel oil firing;

if 12-month total exceeds 200 hours or for every 1000 hours of cumulative operation during a 12-month period: name of inspector, time inspection was made, presence of visible emissions, description of corrective action taken to abate visible emissions, date and time visible emissions were abated.

All records made pursuant to the above shall be retained for five (5) years and shall be made available to District personnel upon request.

Condition #14090

For S-100 at Facility #A0059:

1. The total amount of non-water based coating used at Source 100, miscellaneous painting operations, shall not exceed 80 gallons during any consecutive twelve month period. The total amount of water based coating used at Source 100 shall not exceed 250 gallons during any consecutive twelve month period All coating usage must meet the requirements of the Districts Regulation 8 coatings rules. (basis: Cumulative Increase)
2. The net amount of cleanup and surface preparation solvent used at Source 100 shall not exceed 10 gallons during any consecutive twelve month period. The net amount of organic thinner used at Source 100 shall not exceed 10 gallons during any consecutive twelve month period. (basis: BAAQMD Regulation 2-6-501)

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition #14090

For S-100 at Facility #A0059:

3. To demonstrate compliance with the above conditions, the operator shall maintain the following records in a District-approved log: (basis: Cumulative Increase)
 - a. net clean-up solvent used at Source 100, in gallons/day
 - b. total surface preparation solvent used at Source 100, in gallons/day
 - c. cumulative monthly totals of above daily usage rates, in gallons/month
 - d. all applicable coating and thinner usages as specified in Regulation 8 rules

These records shall be kept on site and made available for District inspection for a period of five years from the date on which a record is made.

Condition #16360

Sources 47, 48, 49, 50, 51, 59, and 61 at Facility #A0059:

1. The total amount of precursor organic emissions from these presses (Presses S-47, S-48, S-50, S-51, S-59, and S-61) shall not exceed 17.56 tons during any consecutive 12 month period. [Basis: Cumulative Increase]
2. The organic cleanup solvent used at these sources (Presses S-47, S-48, S-50, S-51, S-59, and S-61) shall have a VOC content of not more than 7.5 lb VOC/gal and VOC vapor pressure of not more than 25 mm Hg, or is not more than 30% by volume VOC. [Basis: BACT]
3. The inks and coatings used at these sources (Presses S-47, S-48, S-50, S-51, S-59, and S-61) shall have a VOC content of not more than 2.5 lb VOC/gal. [Basis: BACT and BAAQMD Regulation 8 Rule 20]
4. The fountain solutions used at these sources (Presses S-47, S-48, S-50, S-51, S-59, and S-61) shall have a VOC content of not more than 8% by volume. [Basis: BACT and BAAQMD Regulation 8 Rule 20]

VI. Permit Conditions (continued)

A. Source Specific Permit Conditions (continued)

Condition #16360

Sources 47, 48, 49, 50, 51, 59, and 61 at Facility #A0059:

5. In order to demonstrate compliance with the above conditions the following records shall be maintained in a District Approved log. These records shall be kept on site and made available for inspection by District personnel for a period of 24 months from the date on which a record is made.
[Basis: Recordkeeping]
 - a. A current list of all inks, coatings, fountain solutions, and solvents in use which states the VOC content of each
 - b. A facility-wide monthly record including the name, VOC content, and amount used each month for each category of ink, coating, fountain solution, and cleanup solvent
 - c. The resulting POC emissions calculated from the above records. The 12-month overall POC emission shall be totaled on a monthly basis.

B. Facility-wide Permit Conditions

None.

VII. APPLICABLE EMISSION LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, either annual (A), quarterly (Q), monthly (M), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII-A
S-2, Steam Generator Boiler
S-3, Steam Generator Boiler
S-4, Steam Generator Boiler

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOX	BAAQMD Regulation 9-7-301.1	Y		30 ppmv @ 3% O ₂ , dry	BAAQMD condition #14330, part 5	P/every 8000 hours of operation	Source test
	BAAQMD Regulation 9-7-302.1	Y		40 ppmv @ 3% O ₂ , dry	BAAQMD condition #14330, part 5	P/every 8000 hours of operation	Source test
CO	BAAQMD Regulation 9-7-301.2	Y		400 ppmv @ 3% O ₂ , dry	BAAQMD condition #14330, part 5	P/every 8000 hours of operation	Source test
	BAAQMD Regulation 9-7-302.2	Y		400 ppmv @ 3% O ₂ , dry	BAAQMD condition #14330, part 5	P/every 8000 hours of operation	Source test
SO ₂	BAAQMD Regulation 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N	

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-2, Steam Generator Boiler
S-3, Steam Generator Boiler
S-4, Steam Generator Boiler

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO ₂	BAAQMD Regulation 9-1-302	Y		300 ppm (dry)	BAAQMD condition #14330, part 5	P/every 8000 hours of operation	Source test
	BAAQMD Regulation 9-1-304	Y		Sulfur content of fuel < 0.5% by weight	BAAQMD condition #14330, part 5	P/E	Fuel Analysis
	BAAQMD cond #14330, part 2	Y		Sulfur content of fuel < 0.12% by weight	BAAQMD condition #14330, part 5	P/E	Fuel Analysis
	BAAQMD cond #14330, part 3	Y		Sulfur content of fuel < 0.25% by weight during natural gas curtailment	BAAQMD condition #14330, part 5	P/E	Fuel Analysis
TSP	BAAQMD Regulation 6-301	N		Ringelmann No. 1		N during natural gas firing	
	BAAQMD Regulation 6-301	N		Ringelmann No. 1	BAAQMD cond #14330, part 6	P/E when burning fuel oil	visible emissions monitoring
	BAAQMD Regulation 6-310	Y		0.15 grain/dscf @ 6% O ₂		N	

¹ Ground Level Concentration

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-B
S-47, Lithographic Press, S-48, Lithographic Press
S-50, Lithographic Press, S-51, Lithographic Press
S-59, Lithographic Press, S-61, Envelope Press

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-20-302	Y		VOC content of ink < 2.5 lb/gal	8-20-503	P/M	Records
	BAAQMD Regulation 8-20-302	Y		VOC content of coating < 2.5 lb/gal	8-20-503	P/M	Records
	BAAQMD Regulation 8-20-302	Y		VOC content of adhesive < 1.25 lb/gal	8-20-503	P/M	Records
	BAAQMD Regulation 8-20-302	Y		VOC content of web splicing adhesive < 2.5 lb/gal	8-20-503	P/M	Records
	BAAQMD Regulation 8-20-309	N	1/1/2000	Lithographic, Blanket and Roller Washes shall not contain > 2.5 lb/gal VOC or shall have a VOC partial pressure of 10 mmHg	8-20-503	P/M	Records
VOC	BAAQMD Regulation 8-20-309	N	1/1/2000	Lithographic, Other Cleaners shall not contain > 2.5 lb/gal VOC or shall have a VOC partial pressure of 25 mmHg	8-20-503	P/M	Records
	BAAQMD cond #16360, part 1	Y		throughput limit: 17.56 tons total for all presses	cond. #16360, part 5	P/M	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-B
S-47, Lithographic Press, S-48, Lithographic Press
S-50, Lithographic Press, S-51, Lithographic Press
S-59, Lithographic Press, S-61, Envelope Press

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD cond #16360, part 2	Y		cleanup solvent VOC content < 7.5 lb/gal and < 25 mmHg vapor pressure or solvent shall not contain > 30% VOC	cond. #16360, part 5	P/E	Records
	BAAQMD cond #16360, part 3	Y		inks and coatings shall not contain more than 2.5 lb/gal VOC	cond. #16360, part 5	P/E	Records
	BAAQMD cond #16360, part 4	Y		fountain solution shall not contain more than 8% VOC by volume	cond. #16360, part 5	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-C
S-100, Miscellaneous Painting Operations

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-19-302	Y		content of air dried coating < 2.8 lbs/gal	Regulation 8-19-501	P/W or M	Records
	BAAQMD Regulation 8-19-312	Y		content of coatings < specified VOC content	Regulation 8-19-501	P/W or M	Records
	BAAQMD Regulation 8-23-301	Y		content of coatings < 2.1 lbs/gal	Regulation 8-23-501	P/D	Records
	BAAQMD Regulation 8-31-302	Y		content of coatings < specified VOC content	Regulation 8-31-501	P/W or M	Records
	BAAQMD Regulation 8-31-306	Y		content of coatings < specified VOC content	Regulation 8-31-501	P/W or M	Records
	BAAQMD Regulation 8-31-309	Y		content of coatings < specified VOC content	Regulation 8-31-501	P/W or M	Records
	BAAQMD Regulation 8-32-302	Y		content of coatings < specified VOC content	Regulation 8-32-501	P/D	Records
	BAAQMD Regulation 8-32-303	Y		content of coatings < specified VOC content	Regulation 8-32-502	P/M	Records
	BAAQMD Regulation 8-49-301	Y		content of coatings < specified VOC content		N	
VOC	BAAQMD cond #14090, part 1	Y		throughput limit: 250 gallons/year	cond. #14090, part 3	P/M	Records
	cond. #14090, part 2			throughput limit: 10 gallons/year	cond. #14090, part 3	P/D	Records

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VIII - Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD Regulation 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD Regulation 6-311	General Operations	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD Regulation 8-19-302	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume III, Method 31, Determination of Precursor Organic Compounds in Paint Strippers for Aerospace Assembly and Component Coating Operations

VIII. Test Methods (continued)

Table VIII (continued)

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 8-19-312	Specialty Coating Limitations	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD Regulation 8-20-302	VOC Limits - Lithographic Presses	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings or EPA Method 24, Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings or EPA Method 24A, Determination of Volatile Matter Content and Density of Printing Inks and Related Coatings
BAAQMD Regulation 8-23-301	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD Regulation 8-31-302	VOC Limit	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume III, Method 31, Determination of Precursor Organic Compounds in Paint Strippers for Aerospace Assembly and Component Coating Operations

VIII. Test Methods (continued)

Table VIII (continued)

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 8-31-306	Flexible Coatings	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD Regulation 8-31-309	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD Regulation 8-32-302	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings or Manual of Procedures, Volume III, Method 31, Determination of Precursor Organic Compounds in Paint Strippers for Aerospace Assembly and Component Coating Operations or Manual of Procedures, Volume III, Method 41, Determination of Volatile Organic Compounds in Solvent Based Coatings and Related Materials Containing Parachlorobenzotrifluoride
BAAQMD Regulation 8-32-303	VOC Limits - Custom Cabinetry and Architectural Millwork	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings or Manual of Procedures, Volume III, Method 31, Determination of Precursor Organic Compounds in Paint Strippers for Aerospace Assembly and Component Coating Operations or Manual of Procedures, Volume III, Method 41, Determination of Volatile Organic Compounds in Solvent Based Coatings and Related Materials Containing Parachlorobenzotrifluoride

VIII. Test Methods (continued)

Table VIII (continued)

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 8-32-304	VOC Limits - Custom and Contract Furniture Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings or Manual of Procedures, Volume III, Method 31, Determination of Precursor Organic Compounds in Paint Strippers for Aerospace Assembly and Component Coating Operations or Manual of Procedures, Volume III, Method 41, Determination of Volatile Organic Compounds in Solvent Based Coatings and Related Materials Containing Parachlorobenzotrifluoride
BAAQMD Regulation 8-49-301	VOC Limits For Aerosol Products	Manual of Procedures, Volume III, Method 35, Determination of Volatile Organic Compounds (VOC) in Solvent Based Aerosol Paints and Adhesives, and Method 36, Determination of Volatile Organic Compounds (VOC) in Water Based Aerosol Paints.
BAAQMD Regulation 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD Regulation 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD Regulation 9-7-301.1	Performance Standard, NO _x , Gaseous Fuel	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Regulation 9-7-301.2	Performance Standard, CO, Gaseous Fuels	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Regulation 9-7-302.1	Performance Standard, NO _x , Non-gaseous Fuel	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Regulation 9-7-302.2	Performance Standard, CO, Non-gaseous Fuels	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

IX. GLOSSARY

BAAQMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CEQA

California Environmental Quality Act

CFR

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO

Carbon Monoxide

Cumulative Increase

The sum of permitted emissions from each new or modified source since a specified date. Used to determine whether threshold-based requirements are triggered.

District

The Bay Area Air Quality Management District

EPA

The federal Environmental Protection Agency.

Exempt

Not subject to the requirements of a regulation. Unless otherwise indicated applies only to Regulation 2, Rule 1, Sections 301 - Authority to Construct and 302 - Permit to Operate.

Excluded

Not subject to any District Regulations.

IX. Glossary (continued)

Federally Enforceable, FE

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPS), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

HAP

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

Major Facility

A facility with potential emissions of regulated air pollutants greater than or equal to 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

MFR

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MOP

The District's Manual of Procedures.

NAAQS

National Ambient Air Quality Standards

NESHAPS

National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Part 61.

NMHC

Non-methane Hydrocarbons

NO_x

Oxides of nitrogen.

NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 40 CFR Part 60 and District Regulation 10.

NSR

New Source Review. A federal program for preconstruction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment".

IX. Glossary (continued)

Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

Offset Requirement

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NO_x, PM₁₀, and SO₂.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

PM

Total Particulate Matter

PM₁₀

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

PSD

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

SIP

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO₂

Sulfur dioxide

TSP

Total Suspended Particulate

Title V

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

IX. Glossary (continued)

VOC

Volatile Organic Compounds

Units of Measure:

bhp	=	brake-horsepower
Btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m ²	=	square meter
min	=	minute
MM	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

X. APPENDIX A - APPLICABLE STATE IMPLEMENTATION PLAN

See Attachments